

SYSTEM AND METHOD FOR SELECTING A COMPRESSION ALGORITHM
ACCORDING TO AN AVAILABLE BANDWIDTH

ABSTRACT OF THE DISCLOSURE

5 A gateway for communicating telecommunication information between a
telecommunication network and customer premises equipment, includes a
telecommunication interface, a management module, compression modules, and
packetization modules. The telecommunication interface receives telecommunication
information from the telecommunication network for communication to the customer
premises equipment. The management module determines a bandwidth available to
communicate the telecommunication information to the customer premises equipment
and selects a compression algorithm according to the available bandwidth. The
10 compression modules compress the telecommunication information using the selected
compression algorithm, and the packetization modules generate data packets for
communicating the telecommunication information.